

*Papers read before the Society from February 1871, to
February 1872.*

1871.

- Mar. 10. Report of the Augusta Eclipse Expedition. Prof. W. G. Adams.
 Note on the Corona. Mr. Proctor.
 On the Distribution of 326,000 Stars in Argelander's Charts. Mr. Proctor.
 On the Colour of the Moon during the late Eclipse. Mr. Proctor.
 On the Zodiacal Light. Mr. Ranyard.
 Observations of the Solar Eclipse at Greenwich. Mr. Airy.
 Erratum in Observations of Solar Eclipse, July 18, 1860. Mr. Airy.
 Note on the Misuse of a Common Symbol. Capt. Noble.
 Occultation of η *Canceri*, March 3, 1871. Capt. Noble.
 Occultation of *Uranus*, March 2, 1871. Capt. Noble.
 On a Contrivance for protecting the Observer when a Reflecting Telescope is used in the open air. Mr. Browning.
- April 14. Remarkable Appearance during Solar Eclipse, Dec. 1870. Capt. Hardy.
 On the Zodiacal Light. Rev. A. Jevons.
 On Spectroscope Observations. M. Chacornac.
 Observations of *Amalthea* (113). Prof. Luther.
 Calculations to obtain the exact Distance of the Sun, Moon, &c., from the Earth. Mr. Dingle.
 Observations and Elements of Winnecke's Comet. Mr. Hind.
 On the Orbits of ζ *Herculis* and ζ *Canceri*. Mr. Plummer.
- May 12. η *Argûs* and the surrounding Nebula. Mr. Abbott.
 Occultation of *Uranus*, March 2, 1871. Mr. Maguire.
 Note on η *Argûs*. Mr. Tebbutt, jun.
 On a Free Regulator Clock. Mr. Kincaid.
 Observations of *Mars*. Mr. Joynson.
 On a Double Automatic Spectroscope. Mr. Proctor.
 On the Total Solar Eclipse, 1878, July 29. Mr. Hind.
 Ephemeris of the Periodical Comet of 1867. Mr. Hind.
 On the First Comet of 1867. Mr. Hind.
 On De Vico's Comet of Short Period. Mr. Hind.
 On the Reappearance of Encke's Comet, 1871. Mr. Hind.
 Elements and Ephemeris of Comet I. 1871. Mr. Hind.
 Une nouvelle Combinaison Spectroscopique. Father Secchi.
 On the use of Compound Prisms. Mr. Browning.

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- On the Changes of Colour in the Equatorial Belt of *Jupiter*. Mr. Browning.
- June 9. On the Initial Velocities of the Planets. Mr. Abbatt.
On Auroral and Faint Spectra under small dispersion. Prof. C. P. Smyth.
On the Physical Changes in *Jupiter*. Mr. Ranyard.
On the expression of Delaunay's l, g, h , in terms of finally adopted constants. Prof. Cayley.
Observations of Winnecke's Comet. Rev. S. Perry.
On the Total Solar Eclipse of Dec. 1871, on the Australian Continent. Mr. Hind.
Occultation of 80 *Virginis* by the Moon, May 30, 1871. Capt. Noble.
- Nov. 10. On the Precession of the Equinoxes. Mr. Doyley.
Observations of Solar Spots. Mr. Bew.
On supposed Changes in Nebula round η *Argûs*. Mr. Lassell.
Errors in Logarithmic Tables. Mr. Wackerbarth.
Observations of *Saturn, Mars, &c.* Rev. J. Spear.
On the Zodiacal Light. Capt. Tupman.
Warning to Spectroscopic Observers. Mr. Drach.
Observations of Encke's Comet. Mr. Airy.
R.A. and N.P.D. of Encke's Comet. Mr. Airy.
Sur la variation de la pesanteur dans les provinces occidentales de l'Empire Russe. M. Sawitsch.
Occultations of Stars by the Moon. Capt. Noble.
Note on the Inferior Conjunction of *Venus*. Capt. Noble.
On the Construction of the Heavens. Mr. Proctor.
Nebuleuses découvertes et observées à Marseille. M. Stéphan.
- Dec. 8. Lunar Occultations and Eclipses of *Jupiter's* Satellites. Mr. Tebbutt.
Reply to Queries respecting Observations of η *Argûs*. Mr. Abbott.
On the Spectrum of Hydrogen at Low Pressure. Mr. Seabroke.
On Encke's Comet. Mr. Hollis.
On the Geodesic Lines on an Ellipsoid. Prof. Cayley.
Note on an Universal Equatoreal. Mr. Browning.
Occultation of ϵ *Capricorni* by the Moon. Capt. Noble.
Eclipse of *Jupiter's* Third Satellite, Dec. 6, 1871. Capt. Noble.
Note on the November Meteors. Capt. Noble.
Note on the Floor of *Plato*. Mr. Birt.
On the Motion of Matter as projected from the Sun. Mr. Proctor.
On Mr. Abbott's imagined Discovery of Changes in *Argo* Nebula. Mr. Proctor.
Note on a special Point in the Determination of the

- Moon's Orbit from Meridional Observations of the Moon. Mr. Airy.
 Elements of Minor Planet (¹¹⁶). Dr. R. Luther.
 Formules pour le Calcul des Orbites des Etoiles doubles. Dr. De Gasparis.
 Observations, Elements, and Ephemeris of Tempel's Comet. Mr. Hind.
 Elements of Tuttle's Comet for the Southern Hemisphere. Mr. Hind.
 Occultation of *Vesta* by the Moon, 1871, Dec. 30. Mr. Hind.
 1872.
 Jan. 12. On the Variable Star S *Orionis*. Rev. T. W. Webb.
 On the Identity of the Triple Star H. i. 13. Mr. Hunt.
 Remarks on the Planet *Jupiter*. Mr. Lassell.
 A Suggestion on the use of Chronometers. Mr. Gill.
 Occultation of *Vesta*, Dec. 30, 1871. Mr. Talmage.
 Note on Encke's Comet. Rev. H. C. Key.
 Proposed Devotion of a Special Observatory to the Observation of *Jupiter's* Satellites. Mr. Airy.
 Observations of Occultations of Stars by the Moon, and Phenomena of *Jupiter's* Satellites. Mr. Airy.
 On the Transit of *Mercury*, 12th Nov. 1782, observed by J. Pennington. Rev. A. Freeman.

List of Public Institutions and of Persons who have contributed to the Society's Library, &c. since the last Anniversary.

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